

EPOCH

Instruments & Controls

Super Precision Compression Load Cell



- * **HIGH ACCURACY**
- * **EASY TO INSTALL**
- * **SEALED TO IP 67**

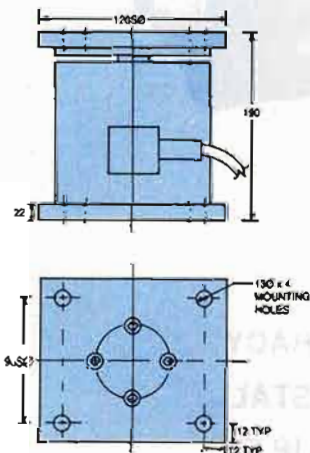
HERMATICALLY SEALED PRECISION LOAD CELLS:

Epoch Model LCF series is a high performance Load Cell for a compression load measurements. Designed specially for Road and Rail weigh bridge applications, to meet stringent load and environmental conditions. A precision machined and heat treated steel column element with superior foil strain gauges is used for sensing the applied load. The gauged element is enclosed inside a rugged steel case and hermetically sealed by welding an integrally fabricated double diaphragm to avoid side load errors and also to give environmental protection. The influence of ambient temperature on load cell performance is fully compensated for minimal effect. The output is standardised to close tolerance to permit interchangeability of Load Cells at site. These load cells can be used for other applications like tank weighing, hopper weighing etc.

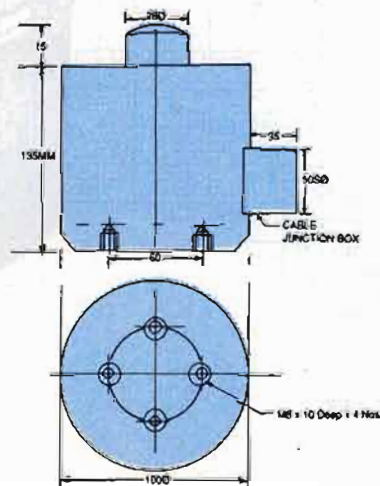
*Super Precision
Compression Load Cell*

SPECIFICATION:

Model	LCF 53, LCF 14, LCF 24, LCF 34.
Rated Load capacities	5, 10, 20, 30 Tonnes compressive.
Rated output (sensitivity)	2.0 mV/V
Input Resistance	400 ± 20 ohms
Output Resistance	350 ± 1 ohm.
Excitation Recommended	10-15 Volts DC/AC (R.M.S)
Zero Load Output	Within ±5% R.O. (Rated Output)
Non-Linearity, Max.	± 0.05% R.O.
Hysteresis, Max.	± 0.02% R.O.
Asymmetric load error Max.	±0.02% R.O. for 1° inclination.
Thermal effect on zero, Max.	0.002% R.O/°C
Thermal effect on sensitivity	0.003% R.O/°C
Over Load capacity, safe	150% Rated Load.
Over Load ultimate	300% Rated Load.
Temperature Range compensated	0°C to 60°C
Temperature Range operatable	-30°C to 80°C
Environmental Sealing	IP 67 (Water Submersible)

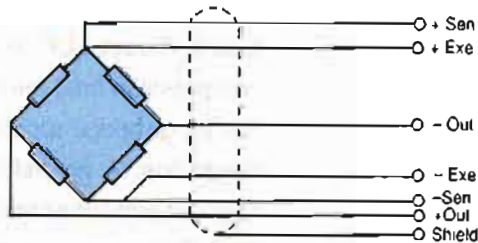


A WITH MOUNTING PLATES



B WITHOUT MOUNTING PLATES

ELECTRICAL CONNECTION:



* IMPORTANT: Price and Specifications are subjected to change without any notice.